

**California Marine Life Protection Act Initiative**  
**Central Coast Project**  
**Staff Summary of Area and Habitats in Package 2R (March 15, 2006 version)**  
*Revised April 20, 2006*

**Overall Summary for Package 2R (3/15/06 version)**

Type of MPA <sup>1</sup>	# Proposed	Area (mi <sup>2</sup> )	% of Study Region
<b>State Marine Conservation Area (SMCA)</b>	8	63.93 mi <sup>2</sup>	5.56%
<b>State Marine Park (SMP)</b>	1	9.84 mi <sup>2</sup>	0.86%
<b>State Marine Reserve (SMR)<sup>2</sup></b>	21	147.68 mi <sup>2</sup>	12.84%
<b>All MPAs combined</b>	30	221.45 mi <sup>2</sup>	19.26%

<sup>1</sup> Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team.

<sup>2</sup> The proposed Morro Bay South State Marine Recreational Management Area was included with the SMRs for the analysis.

**Individual MPAs in Package 2R (3/15/06 version)**

MPA Name <sup>A</sup>	Size (mi <sup>2</sup> )	Along-shore Span (mi) <sup>B</sup>	Depth Range (ft)
<b>Año Nuevo SMR (2<sup>nd</sup> analysis as **)</b>	18.99 mi <sup>2</sup>	11.5 mi	0-209 ft
<b>Baldwin to Natural Bridges SMR</b>	0.59 mi <sup>2</sup>	4.1 mi	3-21 ft
<b>Elkhorn Slough SMR</b>	1.56 mi <sup>2</sup>	7.0 mi	0-10 ft
<b>Morro Cojo Estuary SMR</b>	0.74 mi <sup>2</sup>	7.6 mi	0-10 ft
<b>Soquel Canyon SMCA (***)</b>	23.41 mi <sup>2</sup>	7.8 mi	247-2113 ft
<b>Portuguese Ledge SMR</b>	10.90 mi <sup>2</sup>	5.4 mi	302-4838 ft
<b>Edward C. Cooper SMR</b>	0.11 mi <sup>2</sup>	0.6 mi	4-54 ft
<b>Ed Ricketts SMCA (**)</b>	0.09 mi <sup>2</sup>	0.4 mi	3-56 ft
<b>Hopkins SMR</b>	0.35 mi <sup>2</sup>	1.0 mi	3-71 ft
<b>Pacific Grove SMCA (*)</b>	0.41 mi <sup>2</sup>	1.2 mi	3-59 ft
<b>Asilomar SMR</b>	0.85 mi <sup>2</sup>	1.5 mi	0-63 ft
<b>Carmel Pinnacles SMR</b>	1.25 mi <sup>2</sup>	1.8 mi	3-223 ft
<b>Carmel Bay SMCA (*)</b>	1.71 mi <sup>2</sup>	3.1 mi	3-471 ft
<b>Point Lobos SMR</b>	4.36 mi <sup>2</sup>	4.8 mi	0-320 ft
<b>Point Lobos SMCA (**)</b>	11.28 mi <sup>2</sup>	5.2 mi	227-2111 ft
<b>Point Sur SMR</b>	19.48 mi <sup>2</sup>	5.4 mi	3-624 ft
<b>Julia Pfeiffer Burns SMR</b>	18.03 mi <sup>2</sup>	4.8 mi	3-2227 ft
<b>Big Creek SMR</b>	3.24 mi <sup>2</sup>	3.1 mi	0-314 ft
<b>Big Creek SMCA (**)</b>	12.97 mi <sup>2</sup>	4.3 mi	3-2393 ft
<b>Piedras Blancas SMR</b>	22.09 mi <sup>2</sup>	7.0 mi	0-337 ft
<b>Cambria SMP (^)</b>	9.84 mi <sup>2</sup>	5.3 mi	0-150 ft
<b>Ken Norris SMR (2<sup>nd</sup> analysis as *)</b>	5.50 mi <sup>2</sup>	3.6 mi	0-187 ft
<b>Estero Bluff SMR</b>	0.14 mi <sup>2</sup>	1.4 mi	0-10 ft
<b>Morro Bay SMCA (*)</b>	2.10 mi <sup>2</sup>	7.0 mi	0-22 ft
<b>Morro Bay East SMR</b>	0.40 mi <sup>2</sup>	2.4 mi	0-10 ft
<b>Morro Bay South State Marine Recreational Management Area (***)</b>	0.79 mi <sup>2</sup>	3.4 mi	0-10 ft
<b>Point Buchon SMR</b>	8.38 mi <sup>2</sup>	4.6 mi	0-217 ft

**Individual MPAs in Package 2R (3/15/06 version) - continued**

MPA Name <sup>A</sup>	Size (mi <sup>2</sup> )	Along-shore Span (mi) <sup>B</sup>	Depth Range (ft)
<b>Point Buchon SMCA (***)</b>	11.96 mi <sup>2</sup>	4.6 mi	167-377 ft
<b>Purisma Point SMR</b>	19.27 mi <sup>2</sup>	5.0 mi	0-190 ft
<b>Point Arguello SMR</b>	10.66 mi <sup>2</sup>	8.2 mi	0-189 ft

A. Symbols following proposed MPA name indicate level of protection as determined by the MLPA Master Plan Science Advisory Team (SAT). (\*\*\*) indicates SMCA High, (\*\*) indicates SMCA Moderate, (\*) indicates SMCA Low, and (^) indicates SMP Low. Level of protection was used in the SAT evaluation.

B. Alongshore span measured as direct line from one end of the MPA to the other.

**Habitat Representation in Package 2R (3/15/06 version)**

Habitat	Percentage of Mapped Habitat in Proposed MPA Designations in the Study Region <sup>1</sup>			
	SMCA	SMP	SMR	Total MPAs
<b>Intertidal</b>				
<b>Sandy or gravel beaches</b>	2.39%	2.34%	23.46%	28.19%
<b>Rocky intertidal and cliff</b>	2.68%	1.42%	33.94%	38.05%
<b>Coastal marsh</b>	4.05%	1.29%	57.16%	62.50%
<b>Tidal flats</b>	18.83%	0.64%	64.24%	83.70%
<b>Seagrass beds (0-30m): Surfgrass</b>	3.90%	2.52%	35.27%	41.68%
<b>Seagrass beds (0-30m): Eelgrass</b>	67.10%	0.00%	32.62%	99.71%
<b>Estuary</b>	21.36%	0.10%	36.72%	58.19%
<b>Soft bottom</b>				
<b>0-30 meters</b>	1.17%	1.79%	13.34%	16.30%
<b>30-100 meters</b>	4.38%	0.67%	10.96%	16.00%
<b>100-200 meters</b>	14.37%	0.00%	8.97%	23.34%
<b>&gt;200 meters</b>	15.46%	0.00%	11.20%	26.66%
<b>Hard bottom</b>				
<b>0-30 meters</b>	1.54%	1.71%	28.02%	31.26%
<b>30-100 meters</b>	9.58%	0.02%	19.41%	29.01%
<b>100-200m</b>	26.37%	0.00%	11.48%	37.85%
<b>&gt;200 meters</b>	12.87%	0.00%	9.47%	22.34%
<b>Kelp forest</b>				
<b>Average kelp ('89, '99, '02, '03)</b>	4.83%	4.94%	30.60%	40.36%
<b>Persistent kelp</b>	7.55%	9.75%	29.58%	46.88%
<b>Submarine canyon</b>				
<b>0-30 meters</b>	35.40%	0.00%	1.77%	37.17%
<b>30-100 meters</b>	8.82%	0.00%	4.07%	12.89%
<b>100-200 meters</b>	17.00%	0.00%	3.80%	20.79%
<b>&gt;200 meters</b>	14.12%	0.00%	11.50%	25.62%

<sup>1</sup>Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA Master Plan Science Advisory Team. The proposed Morro Bay South SMRMA was included with the SMRs for the analysis.